

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 1 of 5

**Complete if Known**

Application Number

## Unassigned

Filing Date

**Herewith**

**First Named Inventor**

Jan Weber et al.

### Group Art Unit

~~Unassigned~~ 1615

**Examiner Name**

Unassigned CAPS

Attorney Docket Number

12013/51201

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

**Date  
Considered**

3/18/2007

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	Herewith
		First Named Inventor	Jan Weber et al.
		Group Art Unit	Unassigned 1615
		Examiner Name	Unassigned C. Arpura
Sheet 2 of 5	Attorney Docket Number	12013/51201	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CA		Baughman et al., "Carbon Nanotubes--the Route Toward Applications," Science, Vol. 297, 08/02/02; pp. 787-792.	
		<del>"Carbon Nanotube Bucky Paper Scaffold for Retinal Cell Transplantation," <a href="http://otto.usc.edu/ames/nano/TOA-AME_BuckyPaper6.pdf">http://otto.usc.edu/ames/nano/TOA-AME_BuckyPaper6.pdf</a></del>	
CA		Antipov et al., "Sustained Release Properties of Polyelectrolyte Multilayer Capsules," J. Phys. Chem. B 2001, 105, 2281-2284.	
CA		Qiu et al., "Studies on the Drug Release Properties of Polysaccharide Multilayers Encapsulated Ibuprofen Microparticles," Langmuir 2001, 17, 5375-5380.	
		<del>Becher et al., "Multilayer Thin Films," ISBN 3527304401, Chap. 13.2.1.2</del>	
CA		Hird et al., "Supramolecular Structures of Novel Carbohydrate-Based Phospholipids," J. Am. Chem. Soc., 2000, 8097-8098.	
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		Byrne et al., "Use of Commercial Porous Ceramic Particles for Sustained Drug Delivery," International Journal of Pharmaceutics 246 (2002) 61-73.	
		Joschek et al., "Chemical and Physicochemical Characterization of Porous Hydroxyapatite Ceramics Made of Natural Bone," Biomaterials 21 (2000) 1645-1658.	
		Zhang et al., "Crystallization and Microstructure Analysis of Calcium Phosphate-Based Glass Ceramics for Biomedical Applications," Journal of Non-Crystalline Solids 272 (2000) 14-21.	
CA		Ausman et al., "Organic Solvent Dispersions of Single-Walled Carbon Nanotubes: Toward Solutions of Pristine Nanotubes," J. Phys. Chem. B, 2000 104, 8911-8915.	

Examiner Signature		Date Considered	3/14/07
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		Filing Date	Herewith
		First Named Inventor	Jan Weber et al.
		Group Art Unit	Unassigned <i>1615</i>
		Examiner Name	Unassigned <i>C. Azpuru</i>
Sheet 3 of 5	Attorney Docket Number	12013/51201	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>JA</i>		Sreekumar, et al., "Single-Wall Carbon Nanotube Films," Chem. Mater. 2003, 15, 175-178.	
<i>JA</i>		Adriance-Mejia et al. "Alternative Formulations for the Anti-cancer Drug Paclitaxel (Taxol)," <a href="http://otc.isu.edu/~ndas/Term%20Papers%202002/Paclitaxel%20Formulations.pdf">http://otc.isu.edu/~ndas/Term%20Papers%202002/Paclitaxel%20Formulations.pdf</a>	
<i>JA</i>		Spinks et al., "Pneumatic Actuator Response from Carbon Nanotube Sheets," presented on the MRS Fall meeting 2001.	
<i>JA</i>		Liu et al., "Fullerene Pipes," Science, 280 (1998), 1253-1256.	
<i>JA</i>		Bos, "Albumin-Heparin Matrices Loaded with Growth Factor as Substrates For Endothelial Cell Seeding," Thesis - University of Twente, Enschede, The Netherlands.	
		Georgakilas et al., "Organic Functionalization of Carbon Nanotubes," J. Am. Chem. Soc. 124 (5) (2002), 760-761.	
		Chen et al., "Plasma Activation of Carbon Nanotubes for Chemical Modification," J. Phys. Chem. B 2001, 105, 618-622.	
		Pantarotto et al., "Synthesis, Structural Characterization, and Immunological Properties of Carbon Nanotubes Functionalized with Peptides," J. Am. Chem. Soc. 2003, 125, 6160-6164.	
		Dettlaff-Weglikowska et al., "Chemical Functionalization of Single Walled Carbon Nanotubes," Current Applied Physics 2 (2002) 497-501.	
		Bahr et al., "Functionalization of Carbon Nanotubes by Electrochemical Reduction of Aryl Diazonium Salts: A Bucky Paper Electrode," J. Am. Chem. Soc. 2001, 123, 6536-6542.	
<i>JA</i>		Chen, et al, "Cyclodextrin-Mediated Soft Cutting of Single-Walled Carbon Nanotubes," J. Am. Chem. Soc. 2001, 123, 6201-6202.	

Examiner Signature	<i>[Signature]</i>	Date Considered	3/18/07
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**INFORMATION DISCLOSURE  
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Sheet 4 of 5

**Complete if Known**

Application Number Unassigned

Filing Date Herewith

First Named Inventor Jan Weber et al.

Group Art Unit Unassigned 1615

Examiner Name Unassigned - Caspura

Attorney Docket Number 12013/51201

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
[Signature]		Chen et al., "Solution Properties of Single-Walled Carbon Nanotubes," Science, 1998, 282, 95-98.	
		Chen et al., "Dissolution of Full-Length Single-Walled Carbon Nanotubes," J. Phys. Chem. B 2001, 105, 2525-2528.	
		Sun et al., "Soluble Dendron-Functionalized Carbon Nanotubes: Preparation, Characterization, and Properties," Chem. Mater. 2001, 13, 2864-2869.	
		Bahr et al., "Dissolution of Small Diameter Single-Wall Carbon Nanotubes in Organic Solvents," Chem. Commun. 2001, 193-194.	
		Wong et al., "Covalently-Functionalized Single-Walled Carbon Nanotube Probe Tips for Chemical Force Microscopy," J. Am. Chem. Soc., 1998, 120, 8557-8558.	
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		Zhao et al., "Chromatographic Purification and Properties of Soluble Single-Walled Carbon Nanotubes," J. Am. Chem. Soc., 2001, 123, 11673-11677.	
		Chen et al., "Room-Temperature Assembly of Directional Carbon Nanotube Strings," J. Am. Chem. Soc., 2002, 124, 758-759.	
		Diehl et al., "Self-Assembled, Deterministic Carbon Nanotube Wiring Networks," Angew Chem. Int. Ed., 2002, 41, 353-358.	
		Krasheninnikov et al., "Ion-Irradiation-Induced Welding of Carbon Nanotubes," Physical Review B 66, 245403 (2002).	
[Signature]		Fisher et al., "Carbon Nanotubes Literature Review," Department of Mechanical Engineering, Northwestern University, February 21, 2001.	

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3/18/07

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		Application Number	Unassigned
		Filing Date	Herewith
		First Named Inventor	Jan Weber et al.
		Group Art Unit	<del>Unassigned</del> V615
		Examiner Name	<del>Unassigned</del> CAZPURA
Sheet 5	of 5	Attorney Docket Number	12013/51201

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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JS		Final Report, Nanotechnology Workshop: From the Laboratory to New Commercial Frontiers, Rice University, Houston, Texas, May 23, 2002.	
		Henry, "Special-Delivery - Alternative Methods for Delivering Drugs Improve Performance, Convenience, and Patient Compliance," Chemical & Engineering News, Vol. 78, No. 38, 9/18/2000, pp. 49-65.	
		"Antibody Coated Stent A Breakthrough in Cardiovascular Treatment," ScienceDaily New Release, 5/22/2003.	
AM		Klein-Soyer et al., "CD9 Participates in Endothelial Cell Migration During In Vitro Wound Repair," Arterioscler Thromb Vasc Biol., February 2000, pp. 360-369 ( <a href="http://www.atvbaha.org">http://www.atvbaha.org</a> )	

Examiner Signature		Date Considered	3/7/07
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Sheet

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of

2

**Complete if Known**

**Application Number**

**10/677,834**

Filing Date

**October 3, 2003**

**First Named Inventor**

Jan Weber et al.

**Art Unit**

3763

**Examiner Name**

**Unassigned**

Attorney Docket Number

12013/51201

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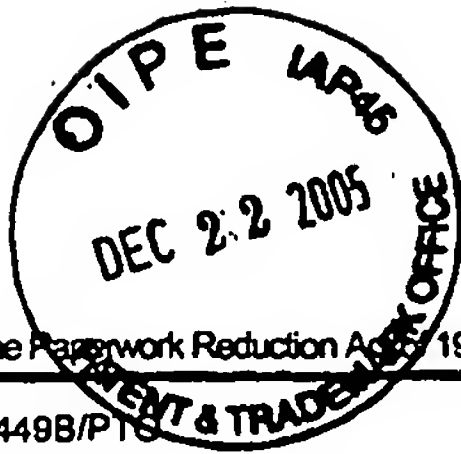
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 2

**Complete if Known**

Application Number	10/677,834
Filing Date	October 3, 2003
First Named Inventor	Jan Weber et al.
Art Unit	8763 1615
Examiner Name	Unassigned C. Azpura
Attorney Docket Number	12013/51201

**NON PATENT LITERATURE DOCUMENTS**

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CA		LENG T, ET AL., "Carbon Nanotub Bucky Paper as an Artificial Support Membrane and Bruch's Membrane Patch in Subretinal RPE and IPE Transplantation", Annual Meeting of the Association for Research in Vision and Ophthalmology, May 4, 2003, E-Abstrat 481, 2 pages.	
CA		WANG K, ET AL., "Carbon Nanotubes as Microelectrodes for a Retinal Prosthesis", Annual Meeting of the Association for Research in Vision and Ophthalmology, May 4, 2003, 2 pages.	
		HIRSCH, A, "Functionalization of Single-Walled Carbon Nanotubes", Angewandte Chemie International Edition, Vol. 41, No. 11, 2002, pages 1853-1859.	

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